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Application No.: 10/583,467

Docket No.: JCLA21175

AMENDMENTIn The Claims:

Please amend the claims as follows:

Claim 1. (currently amended) A weight-training machine having an independent power generating function, which includes a plurality of stacks moving up and down by means of a pair of guides mounted vertically, a button unit disposed at a front center of the stacks and having the number of solenoid buttons corresponding to the number of the stacks and buttons inserted into insert holes of the stacks, and a wire guided by pulleys mounted to a frame,

wherein a solenoid unit ~~[(600)]~~ having the solenoid buttons ~~[(610)]~~ is separated from the button unit so that the solenoid buttons ~~[(610)]~~ are installed to a position adjacent to heads of the buttons ~~[(230)]~~, wherein the buttons ~~[(230)]~~ are moved forward and backward electrically or manually, wherein a pair of generators ~~[(250)]~~ having a rod shape are installed at both rear sides of the stacks ~~[(240)]~~ so as to be parallel to each other vertically with a predetermined distance, and wherein a power supply ~~[(260)]~~ is installed below the generators ~~[(250)]~~ so that the power supply ~~[(260)]~~ is electrically connected to the generators ~~[(250)]~~ and the solenoid unit ~~[(600)]~~.

Claim 2. (currently amended) The weight-training machine according to claim 1, wherein the generator ~~[(250)]~~ includes a pipe ~~[(251)]~~ having a coil ~~[(251a)]~~ wound in contact with an inner side thereof, and a magnetic rod ~~[(252)]~~ combined to be movable in a length direction along inside of the coil ~~[(251a)]~~ and composed of a plurality of permanent magnets ~~[(252a)]~~

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so that positive and negative poles are alternately laminated, whereby the generator ~~[(250)]~~ generates power by means of movement of the permanent magnets ~~[(252a)]~~ when reciprocating in the coil ~~[(251a)]~~ in a length direction along a selected stack ~~[(240)]~~:

Claim 3. (currently amended) The weight-training machine according to claim 1, wherein the power supply ~~[(260)]~~ includes a converting switch ~~[(261)]~~ provided with electric power selectively from the generators ~~[(250)]~~ and an external power source ~~[(510)]~~, an inverter ~~[(262)]~~ for converting AC supplied from the converting switch ~~[(261)]~~ into DC, and a charger ~~[(263)]~~ for charging the supplied DC.

Claim 4. (currently amended) The weight-training machine according to claim 1, wherein a generator ~~[(250a)]~~ is further installed to one of the pulleys ~~[(413)]~~.

Claim 5. (currently amended) The weight-training machine according to claim 1, wherein a sensor ~~[(611)]~~ for sensing operation of the solenoid button ~~[(610)]~~ is mounted to the solenoid unit ~~[(600)]~~, wherein a sensor ~~[(311a)]~~ is installed to a controller ~~[(310)]~~ to operate a selected solenoid button ~~[(610)]~~ so that the button ~~[(230)]~~ is inserted into an insert groove ~~[(240a)]~~ of the stack ~~[(240)]~~, wherein the sensor ~~[(611)]~~ senses manual operation of the solenoid button ~~[(610)]~~ to make the controller ~~[(310)]~~ display a current exercising weight, wherein the sensor ~~[(311a)]~~ senses a user to be in an exercising position so that the controller

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[[~~(310)~~]] is operated when the user is in the exercising position and the power is automatically isolated when the user takes off from the exercising position.

Claim 6. (currently amended) A weight-training machine having an independent power generating function, which ~~[[a stack is]]~~ a plurality of stacks are mounted to a main body to be supported by guides and movable up and down by means of a wire, and the wire is guided by pulleys mounted to the main body so that an action point is adjusted by a weight adjustment device to control a load,

wherein the stacks are ~~[[stack is]]~~ uniformly divided vertically ~~[[into several parts]]~~, wherein an insert groove ~~[[~~(240a)~~]]~~ is formed at a lower center of a front surface of each part of the divided stack, wherein a fixing plate ~~[[~~(220b)~~]]~~ capable of moving forward and backward is inserted into the insert groove ~~[[~~(240a)~~]]~~ by a solenoid button ~~[[~~(610)~~]]~~ and a button ~~[[~~(230)~~]]~~ working together with the solenoid button ~~[[~~(610)~~]]~~ to select a weight, wherein a generator ~~[[~~(250a)~~]]~~ is installed to a frame at a position below the weight adjustment device so as to generate power by the wire passing via a moving device of the weight adjustment device.

Claim 7. (currently amended) A stack for a weight-training machine having a weight adjustment device in which ~~[[the]]~~ a number of buttons corresponding to ~~[[the]]~~ a number of stacks ~~[[is]]~~ are installed at a front center of the stacks, and in which a fixing plate is moved forward or backward by automatic or manual operation of the buttons so that the fixing plate is inserted into or taken out of ~~[[the]]~~ an insert groove,

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wherein ~~[[a weight adjustment device insert groove (240k)]]~~ an insert recess is formed at a front center of the stack ~~[[240]]~~ so that the weight adjustment device ~~[[200]]~~ is inserted therein, wherein the fixing plate ~~[[220b]]~~ has a rectangular plate shape, wherein the insert groove ~~[[240a]]~~ is formed at a lower center of a side that forms a front surface of the ~~[[weight adjustment device insert groove (240k)]]~~ insert recess so that the fixing plate ~~[[220b]]~~ is inserted therein.

Claim 8. (currently amended) The weight-training machine according to claim 3,

wherein a sensor ~~[[611]]~~ for sensing operation of the solenoid button ~~[[610]]~~ is mounted to the solenoid unit ~~[[600]]~~, wherein a sensor ~~[[311a]]~~ is installed to a controller ~~[[310]]~~ to operate a selected solenoid button ~~[[610]]~~ so that the button ~~[[230]]~~ is inserted into an insert groove ~~[[240a]]~~ of the stack ~~[[240]]~~, wherein the sensor ~~[[611]]~~ senses manual operation of the solenoid button ~~[[610]]~~ to make the controller ~~[[310]]~~ display a current exercising weight, wherein the sensor ~~[[311a]]~~ senses a user to be in an exercising position so that the controller ~~[[310]]~~ is operated when the user is in the exercising position and the power is automatically isolated when the user takes off from the exercising position.